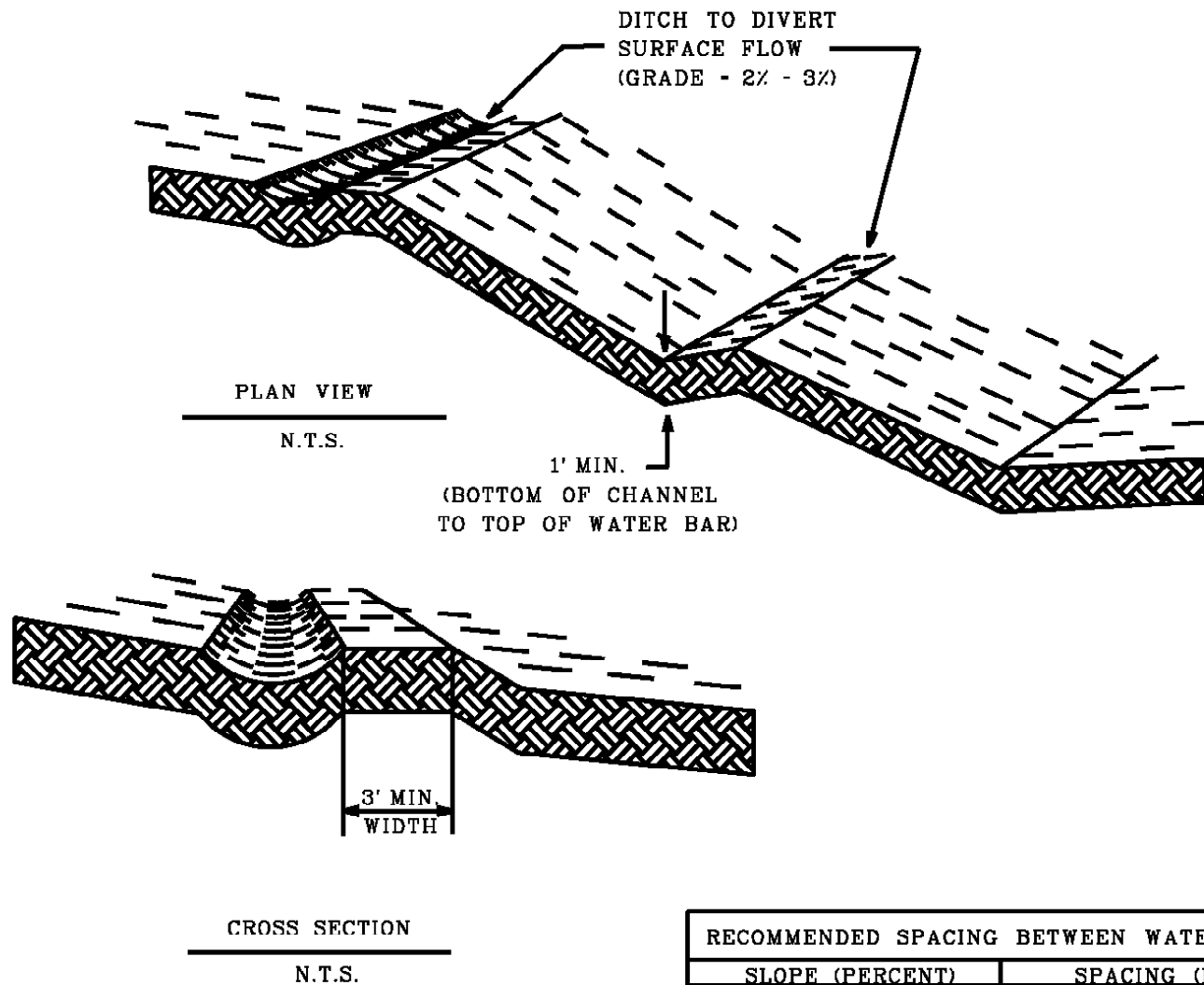


TYPICAL WATER BAR CONSTRUCTION



RECOMMENDED SPACING BETWEEN WATER BARS	
SLOPE (PERCENT)	SPACING (FEET)
0-2	500-300
3-5	250-180
6-10	167-140
11-15	136-127
16-20	125-120
21+	100

NOTES:

1. All trees, brush, stumps, rocks, and other obstructions shall be removed and disposed of to prevent interference with the proper functioning of the diversion.
2. Fills shall be compacted as needed to prevent unequal settlement or failure.
3. All graded areas shall be stabilized with temporary or permanent seeding.
4. Diversion channel should be lined with erosion control fabric as soil conditions require.
5. The outlet of the water bar must be to a well vegetated area or be stabilized by installing a stone check dam, haybale/silt fence dissipating device or synthetic geomat, depending on the amount of channelized flow expected. If used, the geomat will consist of a geotextile fabric 8 feet wide and 10 feet long. The end of the fabric at the right-of-way must be toed into the ground.

FIGURE 12
TYPICAL WATER BAR
NORTHEAST RELIABILITY
INTERCONNECT PROJECT